

CLAIMS

1. A receiver which is connected in the stage following
a high frequency demodulator circuit for demodulating
5 a received signal and which has both a high-cut control
function and a de-emphasis function is made variable
based on the reception level.

2. A receiver, comprising:
10 a demodulation unit for demodulating a received
signal;

an attenuation unit which is connected in the stage
following the demodulation unit and which attenuates
the high frequency component of a received signal;

15 a variable unit for making the cut-off frequency
of the attenuation unit variable; and

a generation unit for generating a control signal
for controlling the operation of the variable unit based
on the reception level of the received signal.

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3. The receiver according to claim 2, wherein
the generation unit generates a control signal for
controlling the operation of the variable unit based
on the reception level of the FM reception signal.

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4. The receiver according to claim 2, wherein
the generation unit generates a control signal so
that the cut-off frequency of the attenuation unit
becomes smaller as the reception level of the received
5 signal becomes lower.

5. A receiver, comprising:
a demodulation unit for demodulating a FM reception
signal;
10 a resistor consisting of two or more resistors
connected in the stage following the demodulation unit;
a changeover unit for changing over the resistance
value of the resistors;
a capacitor which attenuates the high frequency
15 component of the demodulated FM signal in combination
with the resistors; and
a generation unit for generating a control signal
for controlling the changeover operation of the
changeover unit based on the reception level of the FM
20 signal.

6. The receiver according to claim 5, wherein
the generation unit generates a control signal so
that the resistance value of the resistors becomes larger
25 as the reception level of the received signal becomes

lower.

7. A receiver which receives an FM signal or an AM signal, further comprising:

5 a demodulation unit for demodulating the FM signal or the AM signal;

a resistor consisting of two or more resistors connected in the stage following the demodulation unit;

10 a changeover unit for changing over the resistance value of the resistor;

a capacitor which attenuates the high frequency component of the demodulated FM signal or AM signal in combination with the resistors;

15 a first generation unit for generating a control signal for controlling the changeover operation of the changeover unit based on the reception level of the FM signal;

20 a second generation unit for generating a control signal for AM for controlling the changeover operation of the changeover unit based on the reception level of the AM signal; and

25 a selection unit for selecting either the control signal or the control signal for AM based on a received signal and outputting the selected signal to the changeover unit.

8. The receiver according to claim 7, wherein
the first generation unit generates a control
signal so that the resistance value of the resistor
5 becomes larger as the reception level of the FM signal
becomes lower.

9. The receiver according to claim 7, further
comprising:
10 a third generation unit for generating a control
signal for FM for controlling the changeover operation
of the changeover unit in order to change the time constant
of the de-emphasis function, and wherein
the selection unit selects either the control
15 signal, the control signal for AM or the control signal
for FM based on a received signal and outputs the selected
signal to the changeover unit.